Updated S 09/401,874

Ref	Hits	Search Query	DBs	Default	Plurals	Time Stamp
#	1116	Search Query	- DD3	Operator	riulais	Time Stamp
L1	1	determin\$4 with (target adj device) with (active adj neighbor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 15:46
L2		communicat\$6 with neighbor with (target adj device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 15:48
L3		communicat\$6 same neighbor same (target adj device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 15:54
L4	5753	peer with peer with communicat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 15:55
L5	2400	(target adj (device or unit or system)) same (fail\$4 or error\$4 or problem\$ or fault\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 15:58
L6	129	active adj neighbor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 15:59
L7	1	5 same 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 15:59
L8	1	5 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2004/12/28 16:00

L9	102	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 16:00
L10	0	9 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 16:00
L11	19	9 and ("714"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 16:01
L12	46	9 and (71\$/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 16:01
L13	0	9 and (7\$/\$.ccls.) and (active near5 neighbor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 16:04
L14	2	9 and (7\$/\$.ccls.) and neighbor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/28 16:04

Updated 09/401,874 NPL South - Full Text.

```
File
       9:Business & Industry(R) Jul/1994-2005/Jan 05
         (c) 2005 The Gale Group
      13:BAMP 2005/Dec W4
File
         (c) 2005 The Gale Group
      16:Gale Group PROMT(R) 1990-2005/Jan 06
File
         (c) 2005 The Gale Group
File
      47:Gale Group Magazine DB(TM) 1959-2005/Jan 06
         (c) 2005 The Gale group
File 148:Gale Group Trade & Industry DB 1976-2005/Jan 06
         (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275: Gale Group Computer DB(TM) 1983-2005/Jan 06
         (c) 2005 The Gale Group
File 570: Gale Group MARS(R) 1984-2005/Jan 06
         (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Jan 06
         (c) 2005 The Gale Group
File 636: Gale Group Newsletter DB(TM) 1987-2005/Jan 06
         (c) 2005 The Gale Group
File 649: Gale Group Newswire ASAP (TM) 2005/Dec 29
         (c) 2005 The Gale Group
Set
        Items
                Description
S1
      6808750
                NETWORK? ? OR NET()WORK? ? OR MININET? OR LAN OR LANS OR W-
             AN OR WANS OR VPN OR VPNS OR EXTRANET? OR INTRANET? OR VLAN OR
S2
                SUBNET? OR SUB()NET? ? OR WLAN OR WLANS
        38479
S3
      5779590
                FAIL? OR PROBLEM? ? OR FAULT? OR DEFECT? OR DEFICIEN? OR A-
             BNORMA? OR IMPAIR? OR ABERRA? OR MALFUNCTION? OR INOPERA?
S4
       231662
                DYSFUNCT? OR DISFUNCT? OR BUG? ? OR BUGGY?
S5
       171187
                S3:S4(3N)(TROUBLESHOOT? OR TROUBLE()SHOOT? OR DEBUG? OR DE-
             () (BUG? ? OR BUGGED OR BUGGING) OR DEFIN??? ? OR DETERMIN? OR
             TEST??? ? OR TRACK?)
S6
                S3:S4(3N) (MONITOR? OR IDENTIFY? OR IDENTIFIE? ? OR IDENTIF-
             IC? OR DETECT??? ? OR DISCERN? OR DISCOVER? OR FIND??? ? OR F-
             OUND OR UNCOVER?)
S7
                S3:S4(3N)(EXPOS??? ? OR CHECK??? ? OR CHEOU? OR DIAGNOS? OR
       108238
              DX OR PROBE?? ? OR PROBING OR SEARCH? OR DISCRIMINAT? OR DET?
              ? OR ASSESS?)
                S3:S4(3N)(VERIFY? OR VERIFIE? ? OR VERIFICAT? OR ANALYS? OR
S8
       117913
              ANALYT? OR ANALYZ? OR CONFIRM? OR PINPOINT? OR PIN() POINT???
             ? OR LOCAT???? ?)
S9
         2366
                S3:S4(3N)(APPRAIS? OR ASCERTAIN?)
                NEIGHBOR? OR NEIGHBOUR? OR ADJACENT? OR NEXT OR ADJOIN? OR
S10
      9060083
             ABUT? OR NEAR OR NEARBY OR PROXIMITY OR VICINITY OR CLOSEBY OR
                S10(3N)(COMMUNICAT? OR CONTACT???? ? OR PING???? ? OR PACKET-
S11
       135904
             () INTERNET() GROP??? ? OR REACH? OR ECHOPACKET? OR ECHO() PACKE-
             T?)
                S10(3N)(PROBE?? ? OR PROBING OR PROBEPACKET? OR POLL OR PO-
S12
         6612
             LLS OR POLLED OR POLLING OR AUTOPOLL?)
                S10(3N) (ACTIVE OR RESPOND? OR RESPONSE? ? OR FUNCTION? OR -
S13
       455228
             OPERAT? OR ALIVE OR LIVE OR ONLINE OR REPLY? OR REPLIE? ? OR -
             UP OR REACT???? ?)
S14
                S10(3N)(RE()(ACT OR ACTS OR ACTED OR ACTING OR ACTION?) OR
             FEEDBACK? OR FEED()BACK? ? OR ANSWER??? ? OR ACKNOWLEDG? OR A-
       119975
                S10(3N) (WORK OR WORKS OR WORKED OR WORKING)
S15
S16
         4523
                S11:S12(S)S13:S15
S17
           34
                S16(S)S5:S9
```

```
S18
          394
                S11:S12(S)S5:S9
S19
                S3(5N)(S1:S2 OR INTERNET? OR WWW OR WEB OR NET OR NETS OR -
       256819
             W3)
           25
S20
                S18(S)S19
S21
                S13:S15(S)S19
          603
S22
           71
                S21(S)S5:S9
S23
         1933
                S13:S15(S)S5:S9
S24
           65
                S23(S)S19
          125
S25
                S17 OR S20 OR S22 OR S24
S26
           54
                $25/2000:2005
           71
S27
                S25 NOT S26
S28
           50
                RD (unique items)
```

28/3,K/4 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

06715355 Supplier Number: 56210366 (USE FORMAT 7 FOR FULLTEXT)
Storm Telecommunications Chooses Minacom's Directquality 2.0 to Support Its
International Quality of Service Initiatives.

Business Wire, p2245

Oct 12, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1010

... and Voice mode (EC enabled).

In some cases, an indication of an Echo Canceller's **dysfunction** can be **detected**. The PowerProbe is the only **Near** -end QoS **probe** that can perform this **operation** on **near** and far-end Echo Cancellers.

Next Generation of Remote Transponders/Responders Minacom's new generation...

28/3,K/7 (Item 5 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

04547040 Supplier Number: 46682756 (USE FORMAT 7 FOR FULLTEXT)
Kaspia Revolutionizes Network Management With Automated Discovery,
Monitoring and In-Depth Reporting Software

PR Newswire, p903LATU028

Sept 3, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 889

... Look with SmartReport

Kaspia's Report Center eliminates the need for network managers to manually locate a network problem, connect to a probe near the problem and display the information. Kaspia Systems has transcended the traditional "connect-and-look" approach to...

...combined with an unsurpassed depth of reporting, enables network managers to proactively pinpoint and analyze **network** issues with ease even before **problems** occur.

Kaspia's SmartReport provides a roadmap of network activity, identifying problem areas of the...

Updated 5 09/4011874 NPL Hosport

File 6:NTIS 1964-2004/Dec W4 (c) 2004 NTIS, Intl Cpyrght All Rights Res 2:INSPEC 1969-2004/Dec W2 File (c) 2004 Institution of Electrical Engineers File 8:Ei Compendex(R) 1970-2005/Dec W4 (c) 2005 Elsevier Eng. Info. Inc. 34:SciSearch(R) Cited Ref Sci 1990-2005/Jan W1 File (c) 2005 Inst for Sci Info 35:Dissertation Abs Online 1861-2004/Dec File (c) 2004 ProQuest Info&Learning File 65:Inside Conferences 1993-2005/Jan W1 (c) 2005 BLDSC all rts. reserv. File 94:JICST-EPlus 1985-2004/Nov W4 (c) 2004 Japan Science and Tech Corp(JST) File 95:TEME-Technology & Management 1989-2004/Jun W1 (c) 2004 FIZ TECHNIK File 99: Wilson Appl. Sci & Tech Abs 1983-2004/Nov (c) 2004 The HW Wilson Co. File 111:TGG Natl.Newspaper Index(SM) 1979-2005/Jan 04 (c) 2005 The Gale Group File 144: Pascal 1973-2004/Dec W1 (c) 2004 INIST/CNRS File 256:TecInfoSource 82-2004/Dec (c) 2004 Info. Sources Inc File 266: FEDRIP 2004/Sep Comp & dist by NTIS, Intl Copyright All Rights Res File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info File 483: Newspaper Abs Daily 1986-2005/Jan 05 (c) 2005 ProQuest Info&Learning File 583: Gale Group Globalbase (TM) 1986-2002/Dec 13 (c) 2002 The Gale Group File 603: Newspaper Abstracts 1984-1988 (c) 2001 ProQuest Info&Learning Set Items Description NETWORK? ? OR NET() WORK? ? OR MININET? OR LAN OR LANS OR W-S1 2482635 AN OR WANS OR VPN OR VPNS OR EXTRANET? OR INTRANET? OR VLAN OR SUBNET? OR SUB()NET? ? OR WLAN OR WLANS S2 16306 S38343912 FAIL? OR PROBLEM? ? OR FAULT? OR DEFECT? OR DEFICIEN? OR A-BNORMA? OR IMPAIR? OR ABERRA? OR MALFUNCTION? OR INOPERA? 282255 S4 DYSFUNCT? OR DISFUNCT? OR BUG? ? OR BUGGY? S.5 299077 S3:S4(3N)(TROUBLESHOOT? OR TROUBLE()SHOOT? OR DEBUG? OR DE-()(BUG? ? OR BUGGED OR BUGGING) OR DEFIN??? ? OR DETERMIN? OR TEST??? ? OR TRACK?) S6 S3:S4(3N)(MONITOR? OR IDENTIFY? OR IDENTIFIE? ? OR IDENTIF-IC? OR DETECT??? ? OR DISCERN? OR DISCOVER? OR FIND??? ? OR F-OUND OR UNCOVER?) S7 224260 S3:S4(3N)(EXPOS????? OR CHECK????? OR CHEQU? OR DIAGNOS? OR DX OR PROBE?? ? OR PROBING OR SEARCH? OR DISCRIMINAT? OR DET? ? OR ASSESS?) S3:S4(3N)(VERIFY? OR VERIFIE? ? OR VERIFICAT? OR ANALYS? OR S8 387048 ANALYT? OR ANALYZ? OR CONFIRM? OR PINPOINT? OR PIN() POINT??? ? OR LOCAT???? ?) S9 2763 S3:S4(3N)(APPRAIS? OR ASCERTAIN?) NEIGHBOR? OR NEIGHBOUR? OR ADJACENT? OR NEXT OR ADJOIN? OR S10 4069472 ABUT? OR NEAR OR NEARBY OR PROXIMITY OR VICINITY OR CLOSEBY OR

> S10(3N)(COMMUNICAT? OR CONTACT????? OR PING????? OR PACKET-()INTERNET()GROP????? OR REACH? OR ECHOPACKET? OR ECHO()PACKE-

S11

39288

```
S12
                S10(3N)(PROBE?? ? OR PROBING OR PROBEPACKET? OR POLL OR PO-
             LLS OR POLLED OR POLLING OR AUTOPOLL?)
                S10(3N) (ACTIVE OR RESPOND? OR RESPONSE? ? OR FUNCTION? OR +
S13
       139267
             OPERAT? OR ALIVE OR LIVE OR ONLINE OR REPLY? OR REPLIE? ? OR -
             UP OR REACT???? ?)
S14
                S10(3N)(RE()(ACT OR ACTS OR ACTED OR ACTING OR ACTION?) OR
             FEEDBACK? OR FEED() BACK? ? OR ANSWER??? ? OR ACKNOWLEDG? OR A-
        20659
S15
                S10(3N) (WORK OR WORKS OR WORKED OR WORKING)
S16
         1548
                S11:S12 AND S13:S15
                S16 AND S5:S9
S17
           31
                S11:S12 AND S5:S9
S18
         1167
S19
       128140
                S3(5N)(S1:S2 OR INTERNET? OR WWW OR WEB OR NET OR NETS OR -
S20
           47
                S18 AND S19
                S13:S15 AND S19
S21
          475
S22
                S21 AND S5:S9
         129
S23
         3615
                S13:S15 AND S5:S9
S24
         129
                S23 AND S19
S25
                S17 OR S20 OR S22 OR S24
         205
S26
          87
                $25/2000:2005
S27
         118
                S25 NOT S26
S28
           88
                RD (unique items)
            (Item 1 from file: 6)
28/7/1
DIALOG(R) File
                6:NTIS
(c) 2004 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.
1862129 NTIS Accession Number: N95-18467/7
  Radial Basis Function Neural Networks Applied to NASA Ssme Data
  (Final Report)
  Wheeler, K. R.; Dhawan, A. P.
  Cincinnati Univ., OH.
  Corp. Source Codes: 006394000; CP730085
  Sponsor: National Aeronautics and Space Administration, Washington, DC.
  Report No.: NAS 1.26:195417; E-9347; NASA-CR-195417; TR-154/6/93/ECE
  Jun 93
          63p
  Languages: English
  Journal Announcement: GRAI9509; STAR3305
         this
                product from NTIS by: phone at 1-800-553-NTIS (U.S.
customers); (703)605-6000 (other countries); fax at (703)321-8547; and
email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road,
Springfield, VA, 22161, USA.
  NTIS Prices: PC A04/MF A01
  Country of Publication: United States
  Contract No.: NCC3-308; RTOP 584-03-11
  This paper presents a brief report on the application of Radial Basis
Function Neural Networks
                           (RBFNN) to the prediction of sensor values for
 fault
           detection
                      and
                             diagnosis of the Space Shuttle's Main Engines
        The location of the Radial Basis Function (RBF) node centers was
determined with a K-means clustering algorithm. A neighborhood
about these center points was used to determine the variances of the
individual processing notes.
```

```
28/7/11 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.
6465216 INSPEC Abstract Number: C2000-02-5290-017
```

Updehd Search 09/401,874
Applicants File 347: JAPIO Nov 1976-2004/Aug (Updated 041203) (c) 2004 JPO & JAPIO File 350: Derwent WPIX 1963-2005/UD, UM &UP=200501 (c) 2005 Thomson Derwent File 348: EUROPEAN PATENTS 1978-2004/Dec W04 (c) 2005 European Patent Office File 349:PCT FULLTEXT 1979-2002/UB=20041230,UT=20041223 (c) 2004 WIPO/Univentio Set Items Description S1 56 AU=ENGEL F? NETWORK? ? OR NET()WORK? ? OR MININET? OR LAN OR LANS OR W-S2637131 AN OR WANS OR VPN OR VPNS OR EXTRANET? OR INTRANET? OR VLAN OR S3 SUBNET? OR SUB()NET? ? OR WLAN OR WLANS 8465 S4 16146 S2:S3(10N)(FAIL? OR PROBLEM? ? FAULT? OR DEFECT? OR DEFICI-EN? OR ABNORMA? OR IMPAIR? OR ABERRA? OR MALFUNCTION? OR INOP-\$5 152 S2:S3(10N)(DYSFUNCT? OR DISFUNCT? OR BUG? ? OR BUGGY?) S6 28484 S2:S3(10N)(PROBLEM? ? OR FAULT? ?) S7 6 S1 AND S4:S6 (Item 1 from file: 350) 7/9/1 DIALOG(R) File 350: Derwent WPIX (c) 2005 Thomson Derwent. All rts. reserv. 014096436 **Image available** WPI Acc No: 2001-580650/200165 XRPX Acc No: N01-432424 Failed device identification method in Internet, involves determining whether target device has active neighbor, if attempt to communicate with target device fails Patent Assignee: CONCORD COMMUNICATIONS INC (CONC-N) Inventor: ENGEL F Number of Countries: 095 Number of Patents: 003 Patent Family: Patent No Kind Date Applicat No Kind Date Week WO 200122550 A1 20010329 WO 2000US26051 A 20000922 200165 AU 200140220 Α 20010424 AU 200140220 Α 20000922 200165 EP 1222724 A1 20020717 EP 2000963723 20000922 200254 ·A WO 2000US26051 A 20000922 Priority Applications (No Type Date): US 99401874 A 19990923 Patent Details: Patent No Kind Lan Pg Main IPC Filing Notes WO 200122550 A1 E 27 H02H-003/05 Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW AU 200140220 A H02H-003/05 Based on patent WO 200122550 A1 E H02H-003/05 Based on patent WO 200122550 Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI Abstract (Basic): WO 200122550 A1

NOVELTY - A packet is sent to a target device. When a response is not received from the device, communication failure and it is detected

```
(c) 2004 JPO & JAPIO
File 350: Derwent WPIX 1963-2005/UD, UM &UP=200501
         (c) 2005 Thomson Derwent
Set
        Items
                Description
S1
       387673
                NETWORK? ? OR NET() WORK? ? OR MININET? OR LAN OR LANS OR W-
             AN OR WANS OR VPN OR VPNS OR EXTRANET? OR INTRANET? OR VLAN OR
                SUBNET? OR SUB()NET? ? OR WLAN OR WLANS
S2
         2088
S3
      3421165
                FAIL? OR PROBLEM? ? OR FAULT? OR DEFECT? OR DEFICIEN? OR A-
             BNORMA? OR IMPAIR? OR ABERRA? OR MALFUNCTION? OR INOPERA?
S4
        11155
                DYSFUNCT? OR DISFUNCT? OR BUG? ? OR BUGGY?
S5
        26934
                S3:S4(3N)(TROUBLESHOOT? OR TROUBLE()SHOOT? OR DEBUG? OR DE-
             () (BUG? ? OR BUGGED OR BUGGING) OR DEFIN??? ? OR DETERMIN? OR
             TEST???? ? OR TRACK?)
                S3:S4(3N)(MONITOR? OR IDENTIFY? OR IDENTIFIE? ? OR IDENTIF-
S6
       138044
             IC? OR DETECT??? ? OR DISCERN? OR DISCOVER? OR FIND??? ? OR F-
             OUND OR UNCOVER?)
S7
        30877
                S3:S4(3N)(EXPOS??? ? OR CHECK??? ? OR CHEQU? OR DIAGNOS? OR
              DX OR PROBE?? ? OR PROBING OR SEARCH? OR DISCRIMINAT? OR DET?
              ? OR ASSESS?)
S8
        20107
                S3:S4(3N)(VERIFY? OR VERIFIE? ? OR VERIFICAT? OR ANALYS? OR
              ANALYT? OR ANALYZ? OR CONFIRM? OR PINPOINT? OR PIN()POINT???
             ? OR LOCAT???? ?)
S9
          205
                S3:S4(3N)(APPRAIS? OR ASCERTAIN?)
                NEIGHBOR? OR NEIGHBOUR? OR ADJACENT? OR NEXT OR ADJOIN? OR
S10
      1982568
             ABUT? OR NEAR OR NEARBY OR PROXIMITY OR VICINITY OR CLOSEBY OR
              CLOSE
                S10(3N) (COMMUNICAT? OR CONTACT??? ? OR PING??? ? OR PACKET-
S11
        63741
             ()INTERNET()GROP??? ? OR REACH? OR ECHOPACKET? OR ECHO()PACKE-
S12
         3508
                S10(3N)(PROBE?? ? OR PROBING OR PROBEPACKET? OR POLL OR PO-
             LLS OR POLLED OR POLLING OR AUTOPOLL?)
S13
        54530
                S10(3N)(ACTIVE OR RESPOND? OR RESPONSE? ? OR FUNCTION? OR -
             OPERAT? OR ALIVE OR LIVE OR ONLINE OR REPLY? OR REPLIE? ? OR -
             UP OR REACT??????)
S14
                S10(3N)(RE()(ACT OR ACTS OR ACTED OR ACTING OR ACTION?) OR
             FEEDBACK? OR FEED()BACK? ? OR ANSWER??? ? OR ACKNOWLEDG? OR A-
             CK? ?)
S15
        11381
                S10(3N) (WORK OR WORKS OR WORKED OR WORKING)
S16
         1977
                S11:S12 AND S13:S15
S17
           45
                S16 AND S5:S9
S18
                S17 AND (S1:S2 OR INTERNET? OR WWW OR WEB OR NET OR NETS OR
              W3)
S19
        34650
                IC='H02H-003'
S20
        14155
                IC='H03K-019/00':IC='H03K-019/007'
S21
         3383
                MC='S01-G05'
S22
        32168
                MC='W01-A03B'
                MC='W01-A06G2'
S23
        40510
S24
         7569
                MC='W01-A06B7'
S25
            5
                S17 AND S19:S24
S26
          671
                S11:S12 AND S5:S9
S27
        10383
                S3(5N)(S1:S2 OR INTERNET? OR WWW OR WEB OR NET OR NETS OR -
             W3)
S28
            1
                S17 AND S27
S29
           21
                S26 AND S27
S30
           43
                S13:S15 AND S27
S31
           22
                S30 AND S5:S9
S32
          732
                S13:S15 AND S5:S9
```

File 347: JAPIO Nov 1976-2004/Aug (Updated 041203)

S33

22

S32 AND S27

S34	28	S18 OR S25 OR S28 OR S31 OR S33
S35	28	<pre>IDPAT (sorted in duplicate/non-duplicate order)</pre>
\$36	28	IDPAT (primary/non-duplicate records only)
S 37	20	S29 NOT S36
S38	20	<pre>IDPAT (sorted in duplicate/non-duplicate order)</pre>
S39	20	IDPAT (primary/non-duplicate records only)
?		

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...